

CW8242 (Wall Mount)

Complete Fixture Ceiling Mount			Lamp
CS8242HUCL	Clear Iridescence Free Reflector, White Housing	120V - 277V	(2) 26/32/42W Triple Tube 4-Pin (Amalgam)
Complete Fixture Wall Mount			Lamp
CW8242HUCL	Clear Iridescence Free Reflector, White Housing	120V - 277V	(2) 26/32/42W Triple Tube 4-Pin (Amalgam)

Features

- Reflector:** 16 ga. Specular Alzak® aluminum, 55° visual cutoff to lamp and lamp image, wide distribution. Iridescence Free finish.
- Housing:** Seamless, heavy-gauge aluminum. Two part construction provides ventilation. Returned edge precisely seats reflector. Matte white finish.
- Ballast:** Mounted on support bracket, can be easily removed for service.
- Socket Bracket:** Die-formed steel. Attaches to reflector for correct optical alignment.
- Stem Kit:** Cat. No. FA CSA36: Provided with 1/2 dia. stem and 5 1/2 dia. canopy. Self aligning swivel provides maximum 40° vertical adjustment. Installs over 4" octagonal outlet box. Stem can be cut to length on site. Matte white baked enamel finish.
- (Optional) Turbo Louver:** (not shown) Specular clear Alzak® aluminum deep reflector with removable radial louver assembly combines good efficiency with a shield aperture, 50° cutoff to lamp.
- Crossbar:** Install over 4 octagonal or rectangular outlet box.
- Bracket:** One piece cast aluminum with integral backplate.

Electrical

Note: For ballast electrical data and latest lamp/ballast compatibility refer to "Ballast" specification sheet for complete electrical data.

UL listed for 90° C supply conductors.

Options and Accessories

Fuse (Slow Blow) Add Suffix **F**
Turbo Louver Add Suffix **TB**

Reflector Finishes: Consult Factory

Other Housing Finishes: Consult Factory

Labels

UL listed for damp locations, I.B.E.W.

Alzak® is a registered trademark of ALCOA.

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

Lightolier a Genlyte Thomas Company www.lightolier.com
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
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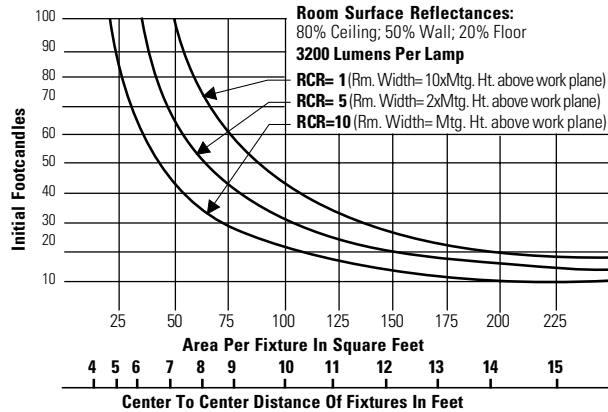
Calculite® Compact Fluorescent Surface Cylinder **CS8232/42**

Page 2 of 2

8" Aperture Triple Tube (4-Pin) Ceiling & Wall Mount

42W

Quick Calculator



This quick calculator chart determines the number and spacing of 2 ft. - 42 Watt PL-T units with clear reflector, for any level of illumination.

Spacing Ratio: Along=1.4 Across=1.7

Certified Test Report NO. ITL44463

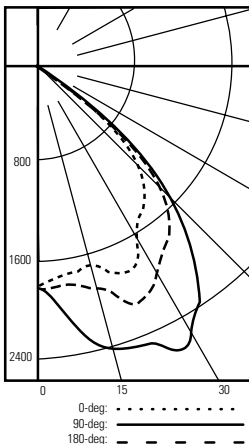
Independent Testing Laboratories, Inc.

Recessed Calculite Downlight 8038CLIF/8242HE120

8" Aperture Specular Clear Reflector

Two Philips 42-Watt PL-T 42W/4P Triple U-Tube. Compact Fluorescents.

Horizontal Position. Lumen Rating =3200 Lms



CANDLE POWER SUMMARY									
ANGLE	0.0	45.0	90.0	135.0	180.0	FLUX			
0	1800	1800	1800	1800	1800				
5	1748	1821	1960	1951	1817				184
15	1695	2065	2423	2380	1892				616
25	1828	2305	2516	2461	2082				1048
35	1505	2016	2330	2138	1821				1264
45	1135	1419	1505	1454	1366				1063
55	49	83	63	53	46				142
65	4	3	3	3	2				3
75	1	1	1	1	1				1
85	0	0	0	0	0				0
90	0	0	0	0	0				0

ZONAL LUMENS AND PERCENTAGES				
ZONE	LUMENS	% LAMP	% LUMINAIRE	
0-30	1847	28.9	42.8	
0-40	3112	48.6	72.0	
0-60	4316	67.4	99.9	
0-90	4320	67.5	100.0	
90-180	0	0.0	0.0	
0-180	4320	67.5	100.0	

**** Efficiency = 67.5% ****

Date: Jan 3, 1996

Prepared For: Lightolier, Fall River, MA

Tested According To IES Procedures.

Test Distance Exceeds Five Times the Greatest Luminous Opening Of Luminaire.

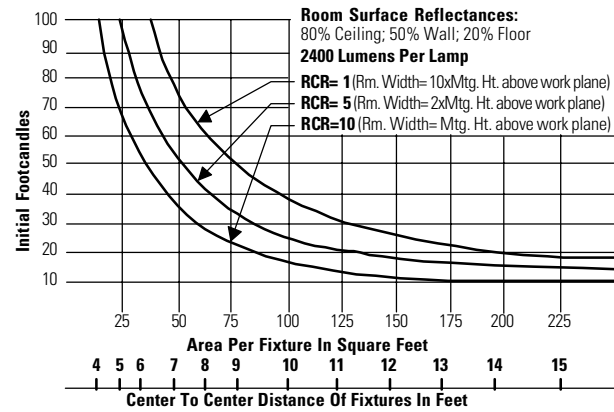
Coefficients Of Utilization

		% Effective Ceiling Cavity Reflectance																			
		80			70			50			30					10			0		
		% Wall Reflectance																			
Room Cavity Ratio		50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
	1	.74	.72	.70	.72	.70	.69	.69	.68	.67	.67	.66	.65	.65	.64	.63	.62	.61	.60	.59	
	2	.67	.64	.61	.66	.63	.61	.64	.61	.59	.62	.60	.58	.60	.58	.57	.56	.55	.54	.53	
	3	.61	.57	.54	.60	.57	.54	.58	.55	.53	.57	.54	.52	.55	.53	.51	.50	.49	.48	.47	
	4	.56	.51	.48	.55	.51	.48	.54	.50	.47	.52	.49	.46	.51	.48	.46	.45	.44	.43	.42	
	5	.51	.46	.43	.50	.46	.43	.49	.45	.42	.48	.44	.42	.47	.44	.41	.40	.39	.38	.37	
	6	.47	.42	.38	.46	.42	.38	.45	.41	.38	.44	.40	.38	.43	.40	.37	.36	.35	.34	.33	
	7	.43	.41	.37	.46	.41	.37	.45	.40	.37	.44	.40	.37	.43	.39	.36	.35	.34	.33	.32	
	8	.39	.35	.31	.39	.34	.31	.38	.34	.31	.37	.34	.31	.37	.33	.31	.30	.29	.28	.27	
	9	.36	.32	.28	.36	.31	.28	.35	.31	.28	.35	.31	.28	.34	.31	.28	.27	.26	.25	.24	
	10	.34	.29	.26	.33	.29	.26	.33	.29	.26	.32	.28	.26	.32	.28	.26	.25	.24	.23	.22	

20% Floor Cavity Reflectance

32W

Quick Calculator



This quick calculator chart determines the number and spacing of 2 ft. - 32 W PL-T units with clear reflector, for any level of illumination.
For 26W lamps, multiply F.C. by 0.8.

Spacing Ratio: Along=1.4 Across=1.6

Certified Test Report NO. ITL44462

(Based on recessed fixture 8038CLW/8232HE120)

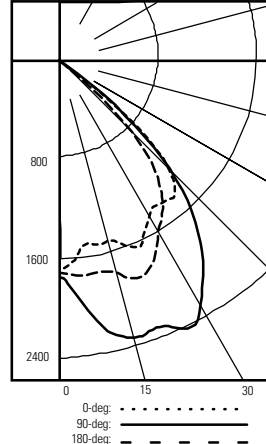
Independent Testing Laboratories, Inc.

Recessed Calculite Downlight 8038CLIF/8232HE120

8" Aperture Specular Clear Reflector

Two Philips 32-Watt 32W/35/4P Triple U-Tube. Compact Fluorescents.

Horizontal Position. Lumen Rating =2400 Lms



CANDLE POWER SUMMARY									
ANGLE	0.0	45.0	90.0	135.0	180.0	FLUX			
0	1499	1499	1499	1499	1499				
5	1502	1555	1643	1573	1426				152
15	1546	1829	2017	1862	1330				505
25	1628	2073	2090	1747	1440				844
35	1312	1820	1842	1573	1242				1007
45	823	1034	1242	1222	1181				849
55	31	55	61	58	61				118
65	2	2	3	2	2				3
75	1	1	1	1	1				1
85	0	0	0	0	0				0
90	0	0	0	0	0				0

ZONAL LUMENS AND PERCENTAGES				
ZONE	LUMENS	% LAMP	% LUMINAIRE	
0-30	1500	31.3	43.1	
0-40	2508	52.2	72.1	
0-60	3475	72.4	99.9	
0-90	3479	72.5	100.0	
90-180	0	0.0	0.0	
0-180	3479	72.5	100.0	

**** Efficiency = 72.5% ****

Date: Dec 4, 1995

Tested According To IES Procedures.

Test Distance Exceeds Five Times the Greatest Luminous Opening Of Luminaire.

Coefficients Of Utilization

		% Effective Ceiling Cavity Reflectance															
		80			70			50			30			10			0
		% Wall Reflectance															
		50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio	1	.79	.77	.75	.78	.76	.74	.75	.73	.72	.72	.71	.70	.69	.68	.68	.66
	2	.72	.69	.66	.71	.68	.65	.69	.66	.64	.66	.64	.62	.64	.62	.61	.60
	3	.66	.62	.58	.65	.61	.58	.63	.59	.57	.61	.58	.56	.59	.57	.55	.54
	4	.60	.55	.52	.59	.55	.51	.58	.54	.51	.56	.53	.50	.55	.52	.49	.48
	5	.55	.50	.46	.54	.49	.46	.53	.49	.45	.51	.48	.45	.50	.47	.44	.43
	6	.50	.45	.41	.50	.45	.41	.48	.44	.41	.47	.43	.40	.46	.43	.40	.39
	7	.46	.41	.37	.46	.41	.37	.45	.40	.37	.44	.40	.37	.43	.39	.36	.35
	8	.42	.37	.34	.42	.37	.34	.41	.37	.33	.40	.36	.33	.40	.36	.33	.32
	9	.39	.34	.31	.39	.34	.31	.38	.34	.30	.37	.33	.30	.37	.33	.30	.29
	10	.36	.31	.28	.36	.31	.28	.35	.31	.28	.35	.31	.28	.34	.30	.28	.26

20% Floor Cavity Reflectance. For 26W lamps, multiply C.U. by 1.1.

Job Information

Type:

Lightolier a Genlyte Thomas Company

www.lightolier.com

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